

Subsidiary Hierarchy Report

Tuesday, March 06, 2001

The Williams Companies, Inc.

Subsidiary	Owned by Parent
Arctic Fox Assets, L.L.C. (Delaware) One Williams Center Tulsa, OK 74172	100%
Williams Mobile Bay Producer Services, L.L.C. * (Delaware) One Williams Center Tulsa, OK 74172	100%
Beech Grove Processing Company * (Tennessee) 100 Coal Drive London, KY 40741	100%
Tennessee Processing Company (Delaware) Beech Grove Processing Company P.O. Box 547 Lake City, TN 37769	100%
Energy News Live, LLC (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Garrison, L.L.C. * (Delaware) One Williams Center Tulsa, OK 74172 USA	56%
Castle Associates, L.P. (Delaware) One Williams Center Tulsa, OK 74172	100%
Williams Headquarters Building, L.L.C. * (Delaware) One Williams Center Tulsa, OK 74172	100%
Inland Ports, Inc. * (Tennessee) 100 Coal Drive London, KY 40741	100%

Langside Limited * (Bermuda) One Williams Center Tulsa, Oklahoma 74172 USA	100%
Laughton, L.L.C. * (Delaware) One Williams Center Tulsa, OK 74172 USA	40.7%
MAPCO Indonesia Inc. (Delaware) None given	100%
P.T. MAPCO Indonesia * None given	5%
Realco Realty Corp. * (Delaware) One Williams Center Tulsa, OK 74172	100%
Realco of Crown Center, Inc. (Delaware) One Williams Center Tulsa, OK 74172	100%
Realco of San Antonio, Inc. (Delaware) One Williams Center Tulsa, OK 74172	100%
The Oklahoma Eagle, L.L.C. * (Oklahoma) 624 East Archer Tulsa, OK 74120	35%
The Tennessee Coal Company * (Delaware) One Williams Center Tulsa, OK 74172	100%
Transco Energy Company * (Delaware) P. O. Box 1396 Houston, TX 77251	100%

Energy Tech, Inc. 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251-1396

Transco Coal Gas Company 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251

Transco Energy Investment Company 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251-1396

Transco Exploration Company 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251-1396

Transco Gas Company 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251-1396

Border Gas, Inc. 10%
(Delaware)
2800 Post Oak Blvd.
Houston, TX 77056

Liberty Operating Company 100%
(Delaware)
2800 Post Oak Blvd.
Houston, TX 77056

NESP Supply Corp. 33.33%
(Delaware)
P. O. Box 1396
Houston, Texas 77251

Transco Liberty Pipeline Company 100%
(Delaware)
2800 Post Oak Blvd.
Houston, TX 77056

Transeastern Gas Pipeline Company, Inc. 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251-1396

Transco P-S Company 100%

(Delaware)
P. O. Box 1396
Houston, TX 77251

Transco Resources, Inc. 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251

Magnolia Methane Corp. 100%
(Delaware)
1100 Louisiana, Suite 3500
Houston, Texas 77002

Transco Terminal Company 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251-1396

Transco Tower Realty, Inc. 100%
(Delaware)
P. O. Box 1396
Houston, TX 77251-1396

Tulsa Williams Company * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Valley View Coal, Inc. * 100%
(Tennessee)
100 Coal Drive
London, KY 40741

WHD Enterprises, Inc. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

WilMart, Inc. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Acquisition Holding Company, Inc. * 100%
(New Jersey)
One Williams Center
Tulsa, OK 74172

Fishhawk Ranch, Inc. 100%

(Florida)
P.O. Box 2400
Tulsa, OK 74102

Reserveco Inc. 15%

None given

Williams Acquisition Holding Company, Inc. (Del) * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Aircraft, Inc. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

ChoiceSeat, L.L.C. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172 USA

Volunteer - Williams, L.L.C. 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Eagle Gas Services, Inc. * 100%
(Ohio)
None given

Erie & Hudson Development Company 100%
} (Ohio)
2602 Oakstone Drive
Columbus, OH 43231

Utility Management Corporation * 100%
(Delaware)
One Jackson Place
188 East Capitol Street, Suite 200
Jackson, MS 39201

Williams Communications Aircraft, LLC 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Indonesia, L.L.C. * 100%
(Delaware)

One Williams Center
Tulsa, OK 74172

PT Marga Mandalasakti - Tollroad project %

None given

Williams International Investments (Cayman) Limited
(Cayman Islands)
One Williams Center
Tulsa, Oklahoma 74172 USA 100%

The Asian Infrastructure Fund
(Cayman Islands)
None given 79.56%

Williams Resource Center, L.L.C. *
(Delaware)
One Williams Center
Tulsa, OK 74172 100%

Williams Communications Group, Inc. *
(Delaware)
One Williams Center
Tulsa, OK 74172 85%

Williams Communications, LLC
(Delaware)
One Williams Center
Tulsa, OK 74172 USA 100%

Accelerated Networks, Inc. * 1.78%
None given

Amber Networks, Inc. * .9%
None given

Ariba .01%
None given

Avici Systems Inc. * 1.5%
None given

Avici Systems Inc. * %

None given

Axient Communications, Inc. * (Arizona) Axient Communications, Inc. 8936 N. Central Avenue Phoenix, AZ 85020	8%
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Battery Ventures Convergence Fund, L.P.	12.5%
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None given

Breakway Solutions *	.02%
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None given

CSI Incorporated * (Delaware) None given	49.99%
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Centennial Strategic Partners VI Fund, L.L.P.	10%
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None given

Charlotte's Networks, Inc. *	2%
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None given

Cisco Systems *	.01%
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None given

Clear Data *	19.9%
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None given

Compass Telecommunications, Inc. * (Nevada) Compass Telecommunications, Inc. 7001 N. Scottsdale Road, Suite 2000 Scottsdale, AZ 85250	19.9%
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Concentric Network Corporation * (Delaware) None given	11.5%
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Corvis Corporation *	1.5%
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None given

Corvis Corporation *

%

None given

Critical Connections, Inc. *

100%

(Delaware)

2800 Post Oak Blvd.

MD 25-12

Houston, TX 77056

Data Communications 2000, Inc. *

100%

(California)

None given

EPOCH Networks, Inc. *

7.6%

(California)

None given

FTV Communications LLC *

33%

(Delaware)

None given

Hostcentric, Inc. *

4%

(Delaware)

Hostcentric, Inc.

Three Riverway, Suite 1430

Houston, TX 77056

IPVERSE, Inc. *

1.1%

(Delaware)

None given

Internet Telemetry Corp. *

5%

(Oklahoma)

Internet Telemetry Corp

P O Box 470248

Tulsa, OK 74147

Intersys Mexico, SA de CV *

100%

(Mexico)

Av. Constituyentes No. 908

Col. Lomas Atlas

C.P. 11950 Mexico, D.F.

Mexico

Mexico

Laughton, L.L.C. * (Delaware) One Williams Center Tulsa, OK 74172 USA	1.7%
Light Year (Formerly Unidial) * (Delaware) None given	12.3%
Mahi Networks, Inc. None given	2%
Maritel, Inc. * (Tennessee) None given	%
NETtel Communications, Inc. * None given	6.1%
NETtel Communications, Inc. * None given	%
NETtel Corporation * None given	%
Optical Networks, Incorporated * None given	1.22%
Pinnacle Systems, Inc. * (Delaware) 75 Technology Drive Lowell, MA 12/14/1999	.07%
Prism Communications Services, Inc. * None given	1%
Sonus Networks, Inc. * None given	.5%
SportVision *	5.9%

None given

Telica, Inc. 3%

None given

Tenor Networks, Inc. * .7%

None given

The Management Network Group, Inc. 1.8%

None given

UtiliCom Networks, Inc. * 1%

None given

WCS Communications Systems, Inc. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Communications Group PTE Ltd. * 100%
(Singapore)
9 Raffles Place
#55-01
Republic Plaza
Singapore 048619

Williams Communications Group, Ltd. * 100%
(England)
None given

Vyvx International Ltd 100%
} (England)
None given

Williams Communications Procurement, L.L.C. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Communications Procurement, LP * 99%
} (Delaware)
None given

Williams Communications Procurement, LP * 1%

(Delaware)
None given

Williams Communications Solutions, LLC * 70%
(Delaware)
2800 Post Oak Blvd.
Houston, TX 77056

WCS, Inc. 100%
} (Delaware)
2800 Post Oak Boulevard
Houston, TX 77056

Williams Communications Canada, Inc. * 100%
} (Canada)
2235 Sheppard Avenue East
Suite 1500
Willowdale, Ontario M2J 5B5 Canada

Williams Communications of Virginia, Inc. * 100%
(Virginia)
One Williams Center
Tulsa, OK 74172

Williams Global Communications Holdings, Inc. * 50%
(Delaware)
One Williams Center
Tulsa, Oklahoma 74172 USA

Williams Communications Participations Holdings GmbH 100%

One Williams Center
Tulsa, Oklahoma 74172 USA

Williams Communications Participations GmbH 100%

One Williams Center
Tulsa, Oklahoma 74172 USA

Williams Communications (Cayman) Limited 100%
} (Cayman Islands)
802 West Bay Road
P.O. Box 32366 SMB
Grand Cayman, Cayman Islands Cayman Islands

Williams Comunicaciones Chile Limitada * 1%
(Chile)
None given

Williams International Telecom (Chile) Limited * (Cayman Islands) One Williams Center Tulsa, Oklahoma 74172 USA	100%
Telefonica Manquehue, S.A. None given	16.46%
Williams Comunicaciones Chile Limitada * (Chile) None given	99%
Williams Communications Australia Pty. Limited } (Australia) One Williams Center Tulsa, Oklahoma 74172 USA	100%
WilTel Communications Pty Limited * (Australia) One Williams Center Tulsa, Oklahoma 74172 USA	100%
PowerTel Limited * (Australia) Level 11, 55 Clarence Street Sydney NSW 2000 Australia Australia	45%
Williams Communications K.K. } (Japan) None given	100%
Williams Communications UK Limited } (England) None given	100%
Williams International ATL Limited * (Cayman Islands) One Williams Center Tulsa, Oklahoma 74172 USA	100%
ATL - Algar Telecom Leste, S. A. * } (Brazil) Rua Mena Barreto, 42 Botafogo Rio de Janeiro, RJ Brazil 22271-100	15%

Brazil

ATL Cayman International } (Cayman Islands) P.O. Box 309, Ugland House South Church Street Grand Cayman, Cayman West Indies British West Indies Cayman Islands	100%
Johi Representacoes Ltda } (Brazil) One Williams Center Tulsa, OK 74172 USA	100%
ATL - Algar Telecom Leste, S. A. * } (Brazil) Rua Mena Barreto, 42 Botafogo Rio de Janeiro, RJ Brazil 22271-100 Brazil	35%
ATL Cayman International } (Cayman Islands) P.O. Box 309, Ugland House South Church Street Grand Cayman, Cayman West Indies British West Indies Cayman Islands	100%
SKTI-US L.L.C. } (Delaware) None given	50%
Williams International Australian Telecom Limited * (Cayman Islands) One Williams Center Tulsa, Oklahoma 74172 USA	100%
Williams International Ventures Company * (Delaware) One Williams Center Tulsa, OK 74172	100%
Williams Global Communications Holdings, Inc. * } (Delaware) One Williams Center Tulsa, Oklahoma 74172 USA	50%

Williams Communications Participations Holdings GmbH	100%
One Williams Center Tulsa, Oklahoma 74172 USA	
Williams Communications Participations GmbH	100%
One Williams Center Tulsa, Oklahoma 74172 USA	
Williams Communications (Cayman) Limited (Cayman Islands) 802 West Bay Road P.O. Box 32366 SMB Grand Cayman, Cayman Islands Cayman Islands	100%
Williams Comunicaciones Chile Limitada * (Chile) None given	1%
Williams International Telecom (Chile) Limited * (Cayman Islands) One Williams Center Tulsa, Oklahoma 74172 USA	100%
Telefonica Manquehue, S.A. None given	16.46%
Williams Comunicaciones Chile Limitada * (Chile) None given	99%
Williams Communications Australia Pty. Limited (Australia) One Williams Center Tulsa, Oklahoma 74172 USA	100%
WilTel Communications Pty Limited * (Australia) One Williams Center Tulsa, Oklahoma 74172 USA	100%
PowerTel Limited * (Australia) Level 11, 55 Clarence Street Sydney NSW 2000 Australia Australia	45%

Williams Communications K.K. (Japan) None given	100%
Williams Communications UK Limited (England) None given	100%
Williams Learning Network, Inc. * (Delaware) 111 East First Street Tulsa, OK 74103	100%
Williams Local Network, LLC (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Williams Technology Center, LLC (Delaware) None given	100%
XO Communications, Inc. None given	1.14%
XStreamSports, Inc. None given	4%
Zaffire Inc. * None given	1%
Ziplink, Inc. * None given	1.68%
Williams Energy Company * (Delaware) One Williams Center Tulsa, OK 74172	100%
Williams Energy Services * (Delaware) One Williams Center Tulsa, Oklahoma 74172	100%

Longhorn Enterprises of Texas, Inc. * (Delaware) 300 Delaware Avenue, 9th Floor Wilmington, DE 19801	100%
Longhorn Partners Pipeline, L.P. * (Delaware) None given	%
MAPCO Inc. (DE) * (Delaware) None given	100%
FleetOne Inc. * (Delaware) None given	100%
Gas Supply, L.L.C. (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
MAPCO Alaska Inc. (Alaska) None given	100%
MAPCO Canada Energy Inc. (Canada) None given	100%
MAPCO Energy Services, L.L.C. (Delaware) None given	100%
Discovery Gas Transmission LLC } (Delaware) One Williams Center Tulsa, OK 74172 USA	50%
Discovery Producer Services LLC } (Delaware) None given	50%
MAPCO Impressions Inc. (Oklahoma) None given	100%
P.T. MAPCO Indonesia *	95%

None given

TouchStar Technologies, L.L.C. 100%
(Delaware)
None given

Servicios de TouchStar de Mexico S.A. de C.V. * 90%
} (Mexico)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchStar Europe, B.V. %
} (Netherlands)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchStar Pacific Pty Limited 100%
} (Australia)
Unit 1
100 Asquith Street
Silverwater, NSW 2128 Australia

TouchStar Technologies Limited 100%
} (England)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchStar de Mexico S.A. de C.V. * 90%
} (Mexico)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchSystems (Australia) Pty. Ltd. 100%
} (Australia)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchSystems (Pty) Ltd. 100%
} (South Africa)
One Williams Center
Tulsa, Oklahoma 74172 USA

Williams Energy, L.L.C. 100%
(Delaware)
None given

Williams Gas Pipeline - Alliance Canada, Inc. 100%
(New Brunswick)
None given

Williams Natural Gas Liquids Canada, Inc. (Alberta) None given	100%
WPX Enterprises, Inc. * (Delaware) 900 Market Street Wilmington, DE 19801	100%
Williams Production - Gulf Coast Company, L.P. * (Delaware) One Williams Center Tulsa, OK 74172	99%
Williams Alaska Pipeline Company, L.L.C. * (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Williams Energy Partners L.P. * (Delaware) None given	99%
Williams Energy Ventures, Inc. * (Delaware) P.O. Box 3448 Tulsa, OK 74101	100%
Nebraska Energy, L.L.C. (Kansas) 605 12th Street Aurora, NE 68818	71%
WilJet, L.L.C. (Arizona) None given	50%
Williams Bio-Energy, LLC (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Williams Ethanol Services, Inc. (Delaware) 1300 South Second Street Pekin, IL 61554	100%
Williams Pipelines Holdings, L.L.C. (Delaware)	100%

One Williams Center
Tulsa, OK 74172 USA

Williams Terminals Holdings, L.L.C. (Delaware) None given	100%
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Williams Field Services Group, Inc * (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
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Black Marlin Pipeline Company (Texas) None given	100%
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Carbon County UCG, Inc. (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
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WBI Offshore Pipeline, Inc. (Delaware) None given	100%
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WFS - Liquids Company (Delaware) P. O. Box 3102 Tulsa, OK 74101	100%
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HI-BOL Pipeline Company } (Delaware) P. O. Box 1396 Houston, TX 77251-1396	100%
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WFS - Offshore Gathering Company * } (Delaware) P. O. Box 3102 Tulsa, OK 74101	100%
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WFS - Pipeline Company * } (Delaware) P. O. Box 3102 Tulsa, OK 74101	100%
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Webb/Duval Gatherers * None given	25%
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WFS - OCS Gathering Co. 100%
(Delaware)
P.O. Box 3102
Tulsa, OK 74101

Webb/Duval Gatherers * 51%

None given

WFS Enterprises, Inc. 100%
(Delaware)
900 Market Street
Wilmington, DE 19801

Williams Field Services - Gulf Coast Company, L.P. 99%

} (Delaware)
Houston, Texas

Tarpon Transmission Company 80%

None given

WFS Gathering Company, L.L.C. 100%
(Delaware)
WFS Gathering Company, L.L.C.
Attn: Legal Department
One Williams Center
Tulsa, OK 74172 USA

Goebel Gathering Company, L.L.C. 100%
} (Delaware)
None given

Williams Field Services Company 100%
(Delaware)
P.O. Box 3102
Tulsa, OK 74101

Williams Field Services - Gulf Coast Company, L.P. 1%

} (Delaware)
Houston, Texas

Tarpon Transmission Company 80%

None given

Williams Gas Processing - Gulf Coast Company, 1%
L.P. *

} (Delaware)
2800 Post Oak Blvd.
Houston, TX 77056

Williams Mobile Bay Producer Services, L.L.C. * 100%
}
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Oil Gathering, L.L.C. * 100%
}
(Delaware)
Attn: Legal Department
One Williams Center
Tulsa, OK 74172 USA

Williams Gas Processing - Kansas Hugoton Company 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Gas Processing - Mid-Continent Region Company 100%
(Delaware)
P.O. Box 3102
Tulsa, OK 74101

Williams Gas Processing - Wamsutter Company 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Gas Processing Company 100%
(Delaware)
P.O. Box 3102
Tulsa, OK 74101

Williams GP LLC * 100%
(Delaware)
None given

Williams Energy Partners L.P. * 1%
(Delaware)
None given

Williams Merchant Services Company, Inc. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Energy Marketing & Trading Company (Delaware) One Williams Center Tulsa, OK 74172	100%
Beaver Dam Wash Energy, LLC } (Delaware) One Williams Center Tulsa, OK 74172 USA	70%
EIP Holdings LLC } (Delaware) None given	20%
TP Holdings LLC None given	66.34%
Tradespark LP None given	66.34%
F T & T, Inc. * } (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
GLNRP Holdings, L.L.C. } (Oklahoma) None given	%
Gulf Liquids New River Project LLC } (Delaware) None given	100%
Hazleton Fuel Management Company * } (Delaware) 2800 Post Oak Blvd. Houston, TX 77056	100%
Hazleton Pipeline Company } (Delaware) 2800 Post Oak Blvd. Houston, TX 77056	100%
TM Cogeneration Company } (Delaware) P. O. Box 1396 Houston, TX 77251	100%

Joshua Tree Energy, LLC } (Delaware) One Williams Center Tulsa, OK 74172 Usa	70%
Laughton, L.L.C. * } (Delaware) One Williams Center Tulsa, OK 74172 USA	27.9%
Littlefield Energy, LLC } (Delaware) One Williams Center Tulsa, Ok 74172 USA	70%
Memphis Generation, L.L.C. } (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Millennium Energy Fund, L.L.C. } (Delaware) P.O. Box 22078 Tulsa, OK 74121	2%
Rio Vista Energy Marketing Company, L.L.C. } (Delaware) 2019 Westwind Drive Suite A Bakersfield, CA 93301	100%
SPV, L.L.C. } (Oklahoma) None given	100%
Terrebonne Pipeline Company * } (Delaware) Tulsa, OK 74172 USA	100%
TransNetwork Holding Company * } (Delaware) One Williams Center Tulsa, OK 74172	100%
Williams Energy Network, Inc. } (Delaware) One Williams Center Tulsa, OK 74172	100%

Transco Energy Marketing Company } (Delaware) One Williams Center Tulsa, OK 74172	100%
Williams Gas Company * } (Delaware) One Williams Center Tulsa, OK 74172	100%
TXG Gas Marketing Company * } (Delaware) P. O. Box 1396 Houston, TX 77251-1396	100%
Williams Distributed Power Services, Inc. * } (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Aurex LPG Sp. z.o.o * } (Poland) None given	49%
Capstone Turbine Corporation None given	%
Distributed Power Solutions L.L.C. } (Delaware) One Williams Center Tulsa, OK 74172	100%
ESPAGAS USA, Inc. * } (Delaware) None given	100%
ESPAGAS, S.A. de C.V. * } (Mexico) One Williams Center Tulsa, Oklahoma 74172 USA	10%
Servicios de ESPAGAS. S.A. de C.V. * } (Mexico) One Williams Center Tulsa, Oklahoma 74172 USA	10%
Servicios de TouchStar de Mexico S.A. de C.V. *	10%

} (Mexico) One Williams Center Tulsa, Oklahoma 74172 USA	
TouchStar de Mexico S.A. de C.V. * } (Mexico) One Williams Center Tulsa, Oklahoma 74172 USA	10%
ESPAGAS, S.A. de C.V. * } (Mexico) One Williams Center Tulsa, Oklahoma 74172 USA	90%
Servicios de ESPAGAS. S.A. de C.V. * } (Mexico) One Williams Center Tulsa, Oklahoma 74172 USA	90%
Touchstar Energy Technologies, Inc. * } (Texas) None given	100%
Solutions EMT, Inc. None given	100%
Williams Flexible Generation, LLC } (Delaware) None given	100%
Williams Gathering & Transportation, L.L.C. * } (Oklahoma) One Williams Center Tulsa, OK 74172	100%
Williams Independence Marketing Company } (Delaware) One Williams Center Tulsa, OK 74172	100%
Worthington Generation, L.L.C. } (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
e-Speed, Inc. None given	1.52%

Williams Pipe Line Company (Delaware) P.O. Box 3448 Tulsa, OK 74101	100%
WillBros Terminal Company * (Delaware) P.O. Box 3448 Tulsa, OK 74101	100%
Williams Pipe Line Company of Wisconsin * (Wisconsin) One Williams Center Tulsa, Oklahoma 74172	100%
Williams Production Company (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
WPX Gas Resources Company * (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
Williams Energy Services, LLC (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Longhorn Enterprises of Texas, Inc. * (Delaware) 300 Delaware Avenue, 9th Floor Wilmington, DE 19801	100%
Longhorn Partners Pipeline, L.P. * (Delaware) None given	%
MAPCO Inc. (DE) * (Delaware) None given	100%
FleetOne Inc. * (Delaware) None given	100%
Gas Supply, L.L.C.	100%

(Delaware)
One Williams Center
Tulsa, OK 74172 USA

MAPCO Alaska Inc. 100%
(Alaska)
None given

MAPCO Canada Energy Inc. 100%
(Canada)
None given

MAPCO Energy Services, L.L.C. 100%
(Delaware)
None given

Discovery Gas Transmission LLC 50%
} (Delaware)
One Williams Center
Tulsa, OK 74172 USA

Discovery Producer Services LLC 50%
} (Delaware)
None given

MAPCO Impressions Inc. 100%
(Oklahoma)
None given

P.T. MAPCO Indonesia * 95%
None given

TouchStar Technologies, L.L.C. 100%
(Delaware)
None given

Servicios de TouchStar de Mexico S.A. de C.V. * 90%
} (Mexico)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchStar Europe, B.V. %
} (Netherlands)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchStar Pacific Pty Limited 100%
} (Australia)

Unit 1
100 Asquith Street
Silverwater, NSW 2128 Australia

TouchStar Technologies Limited 100%
} (England)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchStar de Mexico S.A. de C.V. * 90%
} (Mexico)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchSystems (Australia) Pty. Ltd. 100%
} (Australia)
One Williams Center
Tulsa, Oklahoma 74172 USA

TouchSystems (Pty) Ltd. 100%
} (South Africa)
One Williams Center
Tulsa, Oklahoma 74172 USA

Williams Energy, L.L.C. 100%
(Delaware)
None given

Williams Gas Pipeline - Alliance Canada, Inc. 100%
(New Brunswick)
None given

Williams Natural Gas Liquids Canada, Inc. 100%
(Alberta)
None given

WPX Enterprises, Inc. * 100%
(Delaware)
900 Market Street
Wilmington, DE 19801

Williams Production - Gulf Coast Company, L.P. * 99%
(Delaware)
One Williams Center
Tulsa, OK 74172

Williams Alaska Pipeline Company, L.L.C. * 100%
(Delaware)
One Williams Center
Tulsa, OK 74172 USA

Williams Energy Partners L.P. * (Delaware) None given	99%
Williams Energy Ventures, Inc. * (Delaware) P.O. Box 3448 Tulsa, OK 74101	100%
Nebraska Energy, L.L.C. (Kansas) 605 12th Street Aurora, NE 68818	71%
WilJet, L.L.C. (Arizona) None given	50%
Williams Bio-Energy, LLC (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Williams Ethanol Services, Inc. (Delaware) 1300 South Second Street Pekin, IL 61554	100%
Williams Pipelines Holdings, L.L.C. (Delaware) One Williams Center Tulsa, OK 74172 USA	100%
Williams Terminals Holdings, L.L.C. (Delaware) None given	100%
Williams Field Services Group, Inc * (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
Black Marlin Pipeline Company (Texas) None given	100%
Carbon County UCG, Inc. (Delaware)	100%

P.O. Box 3102
Tulsa, OK 74101

WBI Offshore Pipeline, Inc. (Delaware) None given	100%
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WFS - Liquids Company (Delaware) P. O. Box 3102 Tulsa, OK 74101	100%
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HI-BOL Pipeline Company } (Delaware) P. O. Box 1396 Houston, TX 77251-1396	100%
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WFS - Offshore Gathering Company * } (Delaware) P. O. Box 3102 Tulsa, OK 74101	100%
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WFS - Pipeline Company * } (Delaware) P. O. Box 3102 Tulsa, OK 74101	100%
---	------

Webb/Duval Gatherers * None given	25%
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WFS - OCS Gathering Co. (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
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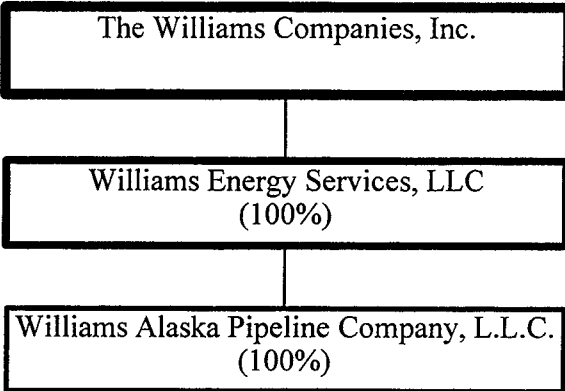
Webb/Duval Gatherers * None given	51%
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WFS Enterprises, Inc. (Delaware) 900 Market Street Wilmington, DE 19801	100%
--	------

Williams Field Services - Gulf Coast Company, L.P. * } (Delaware) Houston, Texas	99%
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Tarpon Transmission Company	80%
None given	
 WFS Gathering Company, L.L.C. (Delaware) WFS Gathering Company, L.L.C. Attn: Legal Department One Williams Center Tulsa, OK 74172 USA	100%
 Goebel Gathering Company, L.L.C. } (Delaware) None given	100%
 Williams Field Services Company (Delaware) P.O. Box 3102 Tulsa, OK 74101	100%
 Williams Field Services - Gulf Coast Company, L.P. * } (Delaware) Houston, Texas	1%
 Tarpon Transmission Company	80%
None given	
 Williams Gas Processing - Gulf Coast Company, L.P. * } (Delaware) 2800 Post Oak Blvd. Houston, TX 77056	1%
 Williams Mobile Bay Producer Services, L.L.C. * } (Delaware) One Williams Center Tulsa, OK 74172	100%
 Williams Oil Gathering, L.L.C. * } (Delaware) Attn: Legal Department One Williams Center Tulsa, OK 74172 USA	100%
 Williams Gas Processing - Kansas Hugoton Company (Delaware) One Williams Center	100%

ORGANIZATIONAL CHART



MASTER

APPLICATION FOR TRANSPORTATION AND
UTILITY SYSTEMS AND FACILITIES
ON FEDERAL LANDS

FORM APPROVED
OMB NO. 1004-0060
Expires: December 31, 2001

NOTE: Before completing and filing the application, the applicant should completely review this package and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.

FOR AGENCY USE ONLY

Application Number

Date filed

1. Name and address of applicant (include zip code)

See Attachment 1.

2. Name, title, and address of authorized agent if different from Item 1 (include zip code)

3. TELEPHONE (area code)

Applicant

See Attachment 1.

Authorized Agent

4. As applicant are you? (check one)

- a. ☐ Individual See Attachment 1.
b. ☐ Corporation*
c. ☐ Partnership/Association*
d. ☐ State Government/State Agency
e. ☐ Local Government
f. ☐ Federal Agency

* If checked, complete supplemental page

5. Specify what application is for: (check one) See response on page 6.

- a. ☐ New authorization
b. ☒ Renewing existing authorization No.
c. ☐ Amend existing authorization No.
d. ☐ Assign existing authorization No.
e. ☐ Existing use for which no authorization has been received*
f. ☐ Other*

* If checked, provide details under Item 7

6. If an individual or partnership are you a citizen(s) of the United States? ☐ Yes ☐ No See response on page 6.

7. Project description (describe in detail): (a) Type of system or facility, (e.g., canal, pipeline, road); (b) related structures and facilities; (c) physical specifications length, width, grading, etc.; (d) term of years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for construction (Attach additional sheets, if additional space is needed.)

- (a) Pipeline System, as defined generally in § 1.1.1.22 of Exhibit D to the January 23, 1974 Agreement and Grant of Right-of-Way for Trans-Alaska Pipeline ("Federal Grant");
(b) See generally Environmental Report for the Trans-Alaska Pipeline System Right-of-Way Renewal in Volume 3 ("Environmental Report") at §§ 2.1.1 and 4.2.1; Duration of Right-of-Way Renewal for the Trans-Alaska Pipeline System in Volume 2 ("Duration Report") at Appendix 4; Federal Line Lists in Volume 2 at Tab 1D- 1H;
(c) See generally Environmental Report at §§ 2.1.1 and 4.2.1 and Duration Report at Appendix 4;
(d) Renewal of authorizations for the maximum period allowed by law. See 30 U.S.C. § 185(n) and Duration Report generally;
(e) Year round;
(f) See generally Environmental Report at Appendices A and D (pps. D-1 through D-12);
(g) Not applicable;
(h) Not applicable.

See also Attachment 2.

8. Attach a map covering area and show location of project proposal See generally Attachment 2, Environmental Report at Appendix C and Federal Lists in Volume 2 at Tabs 1D-1H.

9. State or local government approval: ☐ Attached ☒ Applied for ☐ Not required

10. Nonreturnable application fee: ☐ Attached ☒ Not required

11. Does project cross international boundary or affect international waterways? ☐ Yes ☒ No (If "yes," indicate on map)

12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested.

See response on page 6.

13a. Describe other reasonable alternative routes and modes considered.

Not applicable.

b. Why were these alternatives not selected?

Not applicable.

c. Give explanation as to why it is necessary to cross Federal Lands.

Existing TAPS facilities are located on and cross federal lands.

14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. (Specify number, date, code, or name)

See generally Federal and State Line Lists in Volume 2 at Tab 1.

15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.

See generally Environmental Report, including §§ 1.2; 3.3; 4.3.3, and Duration Report, including §§ 1; 3; 4; 8; and 9.

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

See generally Environmental Report §§ 3.3; 4.3.3; 4.5 and Duration Report § 8. Additional information may be found in studies and reports that bear on TAPS, such as those identified in the Environmental Report at Section 8 and 43 U.S.C. § 1651(b), and the 1972 Environmental Impact Statement (6 vols.) that preceded the execution of the Federal Grant.

17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.

(a) See generally Environmental Report §§ 3.1.3; 4.3.1.3; 4.5; 4.8.2.3; (b) See generally Environmental Report §§ 3.1.3; 3.3.6.3; 4.3.1.3; 4.3.3.9; 4.5; (c) See generally Environmental Report §§ 3.1.1.6; 3.1.2.1; 4.2.1.3; 4.3.1.2; 4.5; 4.8.2.1; 4.8.2.2; (d) See generally Environmental Report §§ 3.1.1.6; 4.2.1.3; 4.3.1.2; 4.3.2.2; 4.5; (e) See generally Environmental Report §§ 3.1.3; 4.3.1.3; 4.5; (f) See generally Environmental Report §§ 3.1.1; 4.1.1; 4.2.1.1; 4.2.1.2; 4.3.1.1; 4.3.2.2; 4.5. (See continuation on page 6.)

18. Describe the probable effects that the proposed project will have on (a) populations of fish, plantlife, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.

(a) See generally Environmental Report §§ 3.2; 4.3.2; 4.5; 4.8.3; (b) See generally Environmental Report §§ 3.2.6; 3.3.3; 4.3.2; 4.3.3.3; 4.5; 4.8.3.4; 4.8.4.4. In both cases additional information may be found in studies and reports that bear on TAPS, such as those identified in the Environmental Report at Section 8 and 43 U.S.C. § 1651(b), and the 1972 Environmental Impact Statement (6 vols.) that preceded the execution of the Federal Grant.

19. State whether any hazardous material, as defined in this paragraph, will be used, produced, transported or stored on or within the right-of-way or any of the right-of-way facilities, or used in the construction, operation, maintenance or termination of the right-of-way or any of its facilities. "Hazardous material" means any substance, pollutant or contaminant that is listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulations. The definition of hazardous substances under CERCLA includes any "hazardous waste" as defined in the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 U.S.C. 9601 et seq., and its regulations. The term hazardous materials also includes any nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCLA Section 101(14), 42 U.S.C. 9601(14), nor does the term include natural gas.

See response on page 6.

20. Name all the Department(s)/Agency(ies) where this application is being filed.

The original application is being filed with the Bureau of Land Management.

I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Signature of Applicant

See Attachment 3.

Date

See Attachment 3.

Title 18, U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

APPLICATION FOR TRANSPORTATION AND UTILITY SYSTEMS
AND FACILITIES ON FEDERAL LANDS

GENERAL INFORMATION
ALASKA NATIONAL INTEREST LANDS

This application will be used when applying for a right-of-way, permit, license, lease, or certificate for the use of Federal lands which lie within conservation system units and National Recreation or Conservation Areas as defined in the Alaska National Interest Lands Conservation Act. Conservation system units include the National Park System, National Wildlife Refuge System, National Wild and Scenic Rivers System, National Trails System, National Wilderness Preservation System, and National Forest Monuments.

Transportation and utility systems and facility uses for which the application may be used are:

1. Canals, ditches, flumes, laterals, pipes, pipelines, tunnels, and other systems for the transportation of water.
2. Pipelines and other systems for the transportation of liquids other than water, including oil, natural gas, synthetic liquid and gaseous fuels, and any refined product produced therefrom.
3. Pipelines, slurry and emulsion systems, and conveyor belts for transportation of solid materials.
4. Systems for the transmission and distribution of electric energy.
5. Systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communications.
6. Improved rights-of-way for snow machines, air cushion vehicles, and all-terrain vehicles.
7. Roads, highways, railroads, tunnels, tramways, airports, landing strips, docks, and other systems of general transportation.

This application **must** be filed simultaneously with each Federal department or agency requiring authorization to establish and operate your proposal.

In Alaska, the following agencies will help the applicant file an application and identify the other agencies the applicant should contact and possibly file with:

Department of Agriculture
Regional Forester, Forest Service (USFS)
Federal Office Building, P.O. Box 21628
Juneau, Alaska 99802-1628
Telephone: (907) 586-7847 (or a local Forest Service Office)

Department of the Interior
Bureau of Indian Affairs (BIA)
Juneau Area Office
9109 Mendenhall Mall Road, Suite 5, Federal Building Annex
Juneau, Alaska 99802
Telephone: (907) 586-7177

Bureau of Land Management (BLM)
222 West 7th Ave., Box 13
Anchorage, Alaska 99513-7599
Telephone: (907) 271-5477 (or a local BLM Office)

National Park Service (NPS)
Alaska Regional Office 2525 Gambell St., Rm. 107
Anchorage, Alaska 99503-2892
Telephone: (907) 257-2585

U.S. Fish & Wildlife Service (FWS)
Office of the Regional Director
1011 East Tudor Road
Anchorage, Alaska 99503
Telephone: (907) 786-3440

Note-Filings with any Interior agency may be filed with any office noted above or with the: Office of the Secretary of the Interior, Regional Environmental Officer, Box 120, 1675 C Street, Anchorage, Alaska 99513.

(For supplemental, see page 4)

Department of Transportation
Federal Aviation Administration
Alaska Region AAL-4, 222 West 7th Ave., Box 14
Anchorage, Alaska 99513-7587
Telephone: (907) 271-5285

NOTE - The Department of Transportation has established the above central filing point for agencies within that Department. Affected agencies are: Federal Aviation Administration (FAA), Coast Guard (USCG), Federal Highway Administration (FHWA), Federal Railroad Administration (FRA).

OTHER THAN ALASKA NATIONAL INTEREST LANDS

Use of this form is not limited to National Interest Conservation Lands of Alaska.

Individual departments/agencies may authorize the use of this form by applicants for transportation and utility systems and facilities on other Federal lands outside those areas described above.

For proposals located outside of Alaska, applications will be filed at the local agency office or at a location specified by the responsible Federal agency.

SPECIFIC INSTRUCTIONS
(Items not listed are self-explanatory)

Item

- 7 Attach preliminary site and facility construction plans. The responsible agency will provide instructions whenever specific plans are required.
- 8 Generally, the map **must** show the section(s), township(s), and range(s) within which the project is to be located. Show the proposed location of the project on the map as accurately as possible. Some agencies require detailed survey maps. The responsible agency will provide additional instructions.
- 9, 10, and 12 - The responsible agency will provide additional instructions.
- 13 Providing information on alternate routes and modes in as much detail as possible, discussing why certain routes or modes were rejected and why it is necessary to cross Federal lands will assist the agency(ies) in processing your application and reaching a final decision. Include only reasonable alternate routes and modes as related to current technology and economics.
- 14 The responsible agency will provide instructions.
- 15 Generally, a simple statement of the purpose of the proposal will be sufficient. However, major proposals located in critical or sensitive areas may require a full analysis with additional specific information. The responsible agency will provide additional instructions.
- 16 through 19 - Providing this information in as much detail as possible will assist the Federal agency(ies) in processing the application and reaching a decision. When completing these items, you should use a sound judgment in furnishing relevant information. For example, if the project is not near a stream or other body of water, **do not** address this subject. The responsible agency will provide additional instructions.

Application must be signed by the applicant or applicant's authorized representative.

If additional space is needed to complete any item, please put the information on a separate sheet of paper and identify it as "Continuation of Item."

SUPPLEMENTAL

NOTE: The responsible agency(ies) will provide additional instructions		CHECK APPROPRIATE BLOCK	
I - PRIVATE CORPORATIONS See response on page 6.		ATTACHED	FILED*
a. Articles of Incorporation		<input type="checkbox"/>	<input type="checkbox"/>
b. Corporation Bylaws		<input type="checkbox"/>	<input type="checkbox"/>
c. A certification from the State showing the corporation is in good standing and is entitled to operate within the State.		<input type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing		<input type="checkbox"/>	<input type="checkbox"/>
e. The name and address of each shareholder owning 3 percent or more of the shares, together with the number and percentage of any class of voting shares of the entity which such shareholder is authorized to vote and the name and address of each affiliate of the entity together with, in the case of an affiliate controlled by the entity, the number of shares and the percentage of any class of voting stock of that affiliate owned, directly or indirectly, by that entity, and in the case of an affiliate which controls that entity, the number of shares and the percentage of any class of voting stock of that entity owned, directly or indirectly, by the affiliate.		<input type="checkbox"/>	<input type="checkbox"/>
previous applications.		<input type="checkbox"/>	<input type="checkbox"/>
g. If application is for an oil and gas pipeline, identify all Federal lands by agency impacted by proposal.		<input type="checkbox"/>	<input type="checkbox"/>
II- PUBLIC CORPORATIONS			
a. Copy of law forming corporation		<input type="checkbox"/>	<input type="checkbox"/>
b. Proof of organization		<input type="checkbox"/>	<input type="checkbox"/>
c. Copy of Bylaws		<input type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing		<input type="checkbox"/>	<input type="checkbox"/>
e. If application is for an oil or gas pipeline, provide information required by Item "I-f" and "I-g" above.		<input type="checkbox"/>	<input type="checkbox"/>
III - PARTNERSHIP OR OTHER UNINCORPORATED ENTITY			
a. Articles of association, if any		<input type="checkbox"/>	<input type="checkbox"/>
b. If one partner is authorized to sign, resolution authorizing action is		<input type="checkbox"/>	<input type="checkbox"/>
c. Name and address of each participant, partner, association, or other		<input type="checkbox"/>	<input type="checkbox"/>
d. If application is for an oil or gas pipeline, provide information required by Item "I-f" and "I-g" above.		<input type="checkbox"/>	<input type="checkbox"/>

* If the required information is already filed with the agency processing this application and is current, check block entitled "Filed." Provide the file identification information (e.g., number, date, code, name). If not on file or current, attach the requested information.

DATA COLLECTION STATEMENT

The Federal agencies collect this information from applicants requesting right-of-way, permit, license, lease, or certifications for the use of Federal lands.

Federal agencies use this information to evaluate your proposal.

No Federal agency may request or sponsor, and you are not required to respond to a request for information which does not contain a currently valid OMB Approval Number.

BURDEN HOURS STATEMENT

The public burden for this form is estimated to vary from 30 minutes to 25 hours per response, with an average of 2 hours per response, including the time for

reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to: U.S. Department of the Interior, Bureau of Land Management, Information Clearance Officer (W0-630), 1849 C Street, Mail Stop 401LS, Washington, D.C. 20240

A reproducible copy of this form may be obtained from the Bureau of Land Management, Division of Lands, 1620 L Street, Rm. 1000LS, Washington, D.C. 20036.

NOTICE

NOTE: This applies to the Department of the Interior/Bureau of Land Management (BLM).

The Privacy Act of 1974 provides that you be furnished with the following information in connection with the information provided by this application for an authorization.

AUTHORITY: 16 U.S.C. 310 and 5 U.S.C. 301.

PRINCIPAL PURPOSE: The primary uses of the records are to facilitate the (1) processing of claims or applications; (2) recordation of adjudicative actions; and (3) indexing of documentation in case files supporting administrative actions.

ROUTINE USES: BLM and the Department of the Interior (DOI) may disclose your information on this form: (1) to appropriate Federal agencies when concurrence or supporting information is required prior to granting or acquiring a right or interest in lands or resources; (2) to members or the public who have a need for the information that is maintained by BLM for public record; (3) to the U.S. Department of Justice, court, or other adjudicative body when DOI determines the information is necessary and relevant to litigation; (4) to appropriate Federal, State, local, or foreign agencies responsible for investigating prosecuting violation, enforcing, or implementing this statute, regulation, or order; and (5) to a congressional of lice when you request the assistance of the Member of Congress in writing.

EFFECT OF NOT PROVIDING THE INFORMATION: Disclosing this information is necessary to receive or maintain a benefit. Not disclosing it may result in rejecting the application.

**MASTER APPLICATION
FOR TRANSPORTATION AND
UTILITY SYSTEMS AND FACILITIES
ON FEDERAL LAND**

For the Trans-Alaska Pipeline System

Continuation of Item #5: Renewal on the same terms of each Applicant's undivided interest in existing authorizations for the Trans-Alaska Pipeline System ("TAPS"), including, but not limited to, F-12505, AA-5847, F-21770, and other authorizations identified on the Federal Line Lists in Volume 2 at Tab 1D -1H.

Continuation of Item #s 6, 12 and Supplemental Items on page 4: Each Applicant identified in response to Item 1 above (individually "Applicant" and collectively "Applicants") separately responds to this item in its respective SUPPLEMENTAL APPLICATION at Volume 1 of 3 (individually "SUPPLEMENTAL APPLICATION" and collectively "SUPPLEMENTAL APPLICATIONS"). Further, nothing in this MASTER APPLICATION should be interpreted or construed as having the effect or implication of any Applicant making any statement, representation or certification as to the accuracy or completeness of any other Applicant's response to this item.

Continuation of Item #17: In all cases additional information may be found in studies and reports that bear on TAPS, such as those identified in the Environmental Report at Section 8 and 43 U.S.C. § 1651(b), and the 1972 Environmental Impact Statement (6 vols.) that preceded the execution of the Federal Grant.

Continuation of Item #19: TAPS does not engage in the use, production, transportation or storage of hazardous materials as part of TAPS' purpose. TAPS operates to transport crude oil, and crude oil is not a hazardous material as defined in this question. Hazardous materials are only present on TAPS incidentally in support of the operation and maintenance of TAPS. All hazardous materials are managed under state and federal law. Those occurrences are described categorically below. Also see Environmental Report § 3.1.1.5.

Hazardous Material Use. Chemical products may be "hazardous materials" or may include components that are hazardous materials. These products are used for TAPS operations and maintenance. Any list of hazardous materials would be only temporarily accurate because product use on TAPS varies continuously. Therefore, they are listed here categorically: paints and associated products; pipe coating chemicals; equipment repair and lubrication products, cleaners, and antifreeze chemicals; adhesives, epoxies and sealants; corrosion inhibitors; fire fighting chemicals; laboratory chemicals used for crude oil analysis; herbicides, pesticides and insecticides (used with the approval of the Authorized Officer); photographic chemicals; and batteries. This list provides a description of TAPS hazardous material use, but is not intended to be comprehensive

chemical by chemical. That detailed information may be obtained from Alyeska's OSHA MSDS (hazardous communication) program and the annual SARA Title III reports submitted to EPA.

Hazardous Material Production. TAPS does not produce hazardous materials.

Hazardous Material Transportation. Chemical product hazardous materials, described above, are transported on and off TAPS facilities utilizing the procedure established under state and federal law. The U.S. DOT has strict requirements for the transportation of chemical products, under 49 CFR Parts 172- 177, 350-399. Hazardous wastes also must comply with the same U.S. DOT transportation requirements. In place is an extensive hazardous material transportation plan that covers both chemical product and hazardous waste transportation on and off TAPS facilities. Bills of lading are used to track the transportation of chemical products. In addition, there are EPA hazardous waste manifests for transported hazardous wastes. The list of hazardous materials transported on and off TAPS facilities would be composed of those hazardous materials listed above under Hazardous Material Use and below under Hazardous Material Storage.

Hazardous Material Storage. The list of hazardous materials stored is the same as the list of hazardous materials used on TAPS facilities, except for waste storage. Where required or appropriate, chemical products are stored within secondary containment. Hazardous wastes that are generated at a TAPS facility are stored utilizing EPA requirements for hazardous waste generators. The hazardous waste categories are predominantly chemical products that have completed their use: paints and associated products; equipment repair and lubrication products, and parts cleaners; adhesives, epoxies and sealants; laboratory chemicals used for crude oil analysis; herbicides, pesticides and insecticides (used with the approval of the Authorized Officer); photographic chemicals; and batteries. Tank and pipe cleaning sludges are a non-product waste stream that contributes to this list. These wastes are only temporarily stored at a facility, in accordance with EPA regulations. During storage they are monitored, in accordance with EPA regulations, and they are transported off the facilities and disposed of at EPA permitted facilities. A listing of hazardous wastes stored at a TAPS facility for any one-year period can be found in the annual RCRA report submitted to EPA.

ATTACHMENT 1

A. Applicants for renewal of their undivided interests in existing authorizations for TAPS are the following corporations:

1. Amerada Hess Pipeline Corporation
One Allen Center
500 Dallas Street, Level 2
Houston, Texas 77002

Authorized Officer:
Donald C. Lutken, Jr.
President and Chief Executive Officer

Telephone: (713) 609-4000

2. BP Pipelines (Alaska) Inc.
900 E. Benson Blvd., MB 11-5
Anchorage, AK 99508

Authorized Officer:
Albert N. Bolea
President

Telephone: (907) 564-5757

3. ExxonMobil Pipeline Company
800 Bell Street
Houston, TX 77002

Authorized Officer:
Richard A. Rabinow
President

Telephone: (713) 656-5056

4. Phillips Transportation Alaska, Inc.
700 G Street
Anchorage, AK 99501

Authorized Officer:
Margaret A. Yaeger
President

Telephone: (907) 263-3710

5. Unocal Pipeline Company
14141 Southwest Freeway
Sugar Land, TX 77478

Authorized Officer:
Joseph M. Monroe
President

Telephone: (281) 287-7775

6. Williams Alaska Pipeline Company, L.L.C.
1 Williams Center 720A
Tulsa, OK 74172

Authorized Officer:
Michael N. Mears
Vice President

Telephone: (918) 573-3211

- B. The Applicants (i) own, in undivided interests, the entirety of the authorizations for which renewal is sought as are identified in the Federal Line Lists in Volume 2 at Tab 1D-1H and (ii) operate TAPS through Alyeska Pipeline Service Company ("Alyeska"). The operating agreement among the Owners and other information pertaining to Alyeska appears in file AA-5722 in the Bureau of Land Management's Alaska State Office.

ATTACHMENT 2

A. MAINLINE AND FUEL GAS LINE

SERIAL NUMBER	TYPE OF SYSTEM OR FACILITY	MAP SHEET NO.*
F-12505/AA-5847	Crude oil pipeline and other facilities	2/3/4/5/6/7/8/9/10/ 11/12/13/14/15/16/ 18/19/20/21/22/23/ 24/25
F-21770	Fuel gas pipeline and other facilities	2/3/4/5

* References in the MAP SHEET NO. column are to maps at Appendix C of the Environmental Report, Volume 3 of 3.

B. ACCESS ROADS

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
F 20780	118-APL-1	118-APL/AMS-1	5
F 21586	116-APL-1	116-APL/AMS-1	5
F 22386	116-APL-6		5
F 20776	115-APL-1		5
F 21585	115-APL-3	115-APL/AMS-3	5
F 20719	114-APL-1	114-APL/AMS-1	5/6
F 21656	114-APL-2B		5/6
FF 088221	Atigun Boat Ramp	114-APL/AMS-2C	5/6
F 21465	114-APL-3		5/6
F 21467	114A-APL-5	114-APL-5	5/6
F 20717	113-APL-1		6
FF 088197	113-APL/AMS-2	113-APL-2	6
F 20715	112-APL-1		6

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
FF 088195	112-AMS-2	112-APL-2	6
F 21727	112-APL-3A		6
FF 088193	112-APL-4B		6
F 20714	111-APL-3	111-APL/AMS-3	6
F 21583	110-APL-1		6
F 21617	110-APL-1B		6
F 20713	110-APL-2		6
F 21653	109-APL-1A		6/7
F 21535	109-APL-3A		6
FF 088194	108-APL-1		7
FF 088223	108-APL-1A		7
FF 088485	108-APL-5		7
F 20707	108-APL-6		7
F 21640	108-APL-7	108-APL/AMS-7	7
	Remote Gate Valve ("RGV") 33 Access	JPO Letter No. 94-082-M	7
F 64648	108-APL-8		7
F 21623	107-APL-1A	107-APL/AMS-1A	7
F 64647	107-APL-2A		7
F 20699	107-APL-3		7
FF 088192	107-APL/AMS-4		7
F 21618	106-APL-1A	106-APL/AMS-1A	7
F 64646	106-APL-2B	106-APL/AMS-2B	7

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
F 21652	105-APL-1A	105-APL/AMS-1A	7
F 20692	105-APL-2		7
F 20693	105-APL-3		7
F 20694	105-APL-4		7
FF 088220	104-APL-0		7/8
FF 088218	104-APL-1		7
F 21429	104-APL-1A		7
F 20688	104-APL-3		7
F 21638	103-APL-1A	103-APL/AMS-1A	8
FF 84277	103-APL-3		7/8
FF 088191	103-APL-3A		7/8
F 20683	103-APL-4		7/8
F 20675	102-APL-1		8
F 20676	102-APL-2		8
FF 088222	Pipeline Mile Post ("PLMP") 216.3	102-APL-2A	8
F 20677	102-APL-3	102-APL/AMS-3	8
FF 088190	102-APL-3A	102-AMS-3A	8
F 20678	102-APL-4		8
F 20679	102-APL-5		8
F 20671	101-APL-1		8
FF 088187	101-APL-1A		8
FF 088188	101-APL-1B	101-AMS-1B	8

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
FF 088189	101-APL-2	101-APL/AMS-2	8
F 20673	101-APL-3		8
FF 87266	101-APL/AMS-4		8
F 20668	100-APL-2	100-APL/AMS-2	8
F 20669	100-APL-2A		8
F 20665	99-APL-3		8
F 20666	99-APL-4	99-APL/AMS-4	8
F 20656	97-APL-1	97-APL/AMS-1	9
F 20657	97-APL-3	97-APL/AMS-3	9
F 21763	97-APL-5		9
F 20653	96-APL-1	96-APL/AMS-1	9
F 20654	96-APL-2A		9
F 64645	96-APL-3		9
F 22978	95-APL-4A		9
F 20652	95-APL-5	95-APL/AMS-5	9
F 21553	94-APL-1A	94-APL/AMS-1A	9
F 21570	93-APL-1	93-APL/AMS-1	9
F 20645	93-APL-2	93-APL/AMS-2	9
F 21551	93-APL-4		9
F 21552	92-APL-0		9/10
F 20637	92-APL-1	92-APL/AMS-1	9
F 20638	92-APL-2	92-APL/AMS-2	9

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
F 20640	92-APL-4		9
F 20642	92-APL-6	92-APL/AMS-6	9
F 20633	91-APL-1	91-APL/AMS-1	10
F 22365	91-APL-1B		10
F 21693	91-APL-3	91-APL/AMS-3	9/10
FF 088186	90-APL/AMS-1	90-APL-1	10
FF 81337	90-APL-2		10
F 21568	90-APL-4A	90-APL/AMS-4A	10
F 20625	89-APL-1	89-APL/AMS-1	10
F 20627	89-APL-3		10
F 20628	89-APL-4	89-APL/AMS-4	10
F 20773	89-APL-6		10
F 20623	88-APL-1	88-APL/AMS-1	10
F 21567	88-APL-2	88-APL/AMS-2	10
F 20622	87-APL-2		10
F 21582	87-APL-3B	87-APL/AMS-3B	10
F 21549	87-APL-4		10
F 20615	86-APL-1		10/11
F 20616	86-APL-2		10/11
F 20618	86-APL-3A	86-APL/AMS-3A	10
FF 088184	86-APL-4		10
FF 088185	86-APL-4A		10

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
FF 088219	86-APL-4B		10
F 20621	86-APL-5	86-APL/AMS-5	10
F 20613	85-APL-1	85-APL/AMS-1	11
F 64644	85-APL-3		10/11
F 20610	84-APL-1		11
F 20611	84-APL-2		11
F 20608	83-APL-2	83-APL/AMS-2	11
F 20609	83-APL-3	83-APL/AMS-3	11
F 20606	82-APL-2	82-APL/AMS-2	11
F 21565	81-APL-1B		11
F 20604	81-APL-3	81-APL/AMS-3	11
F 20605	81-APL-4		11
F 20600	80-APL-2		12
F 21581	80-APL-2A		11/12
F 21546	80-APL-3A	80-APL/AMS-3A	11/12
F 20596	79-APL-1	79-APL/AMS-1	12
F 20597	79-APL-2	79-APL/AMS-2	12
F 20598	79-APL-3		12
F 20594	78-APL-1		12
F 64643	78-APL-1A		12
F 20595	78-APL-3	78-APL/AMS-3	12
F 20564	62-APL-1		15

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
F 21650	57-APL-3		16
F 21740	56-APL-3		16
F 20557	45-APL-3		18
F 21591	45-APL-4		18
F 20553	44-APL-3		18
F 20554	44-APL-5		18
F 20542	40-APL-1	40-APL/AMS-1	19
F 20545	40-APL-4	40-APL/AMS-4	19
F 20535	39-APL-1	39-APL/AMS-1	19
F 20536	39-APL-2		19
F 21759	39-APL-4	39-APL/AMS-4	19
F 20541	39-APL-7		19
F 20534	38-APL-9		19
F 20532	38-APL-7		19
F 21756	38-APL-1A		19
F 20530	38-APL-5		19
AA 8857	37-APL-2		19
AA 37894	37-APL-3		19
F 20526	37-APL-4		19
AA 8855	37-APL-1		19
AA 8853	36-APL-1A		20
AA 9213	35-APL-6	35-APL/AMS-6	20

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
AA 8854	36A-APL-1		19/20
AA 8851	31-APL-1		20/21
AA 8871	31-APL-3		20
AA 8870	30-APL-1		21
AA 9198	29-APL-1		21
AA 8848	28-APL-1	28-APL/AMS-1	21
AA 8849	28-APL-1C		21
AA 11185	27-APL/AMR-3	27 APL-3	21
AA 8866	26-APL-2	26-APL/AMS-2	21
AA 8867	26-APL/AMR-3	26-APL-3	21
AA 9189	23-APL-1A		22
AA 8863	22-APL-1		22
AA 8862	20-APL-1		21
AA 9166	19-APL-3		23
AA 8845	19-APL-1		23
AA 8843	17-APL-7		23
AA 8842	17-APL-5		23
AA 8840	17-APL-3		23
AA-8838	16-APL-1		23
AA-9462	14-APL-4		23/24
AA 8829	12-APL-1		24
AA 8827	11-APL-1		24

ATTACHMENT 2

SERIAL NO.	ACCESS ROAD NO.	ALSO KNOWN AS	MAP SHEET NO.*
AA 37895	10-APL-0		24
AA 8825	10-APL-3		24
AA 8820	9-APL-2		24
AA 9602	9-APL-3A		24
AA 075690	9-APL-3B	9-AMS-3B	24
AA 8822	9-APL-4	9-APL/AMS-4	24
AA 9589	8-APL-1		24
AA 8817	8-APL-2		24
AA 77244	6-APL-5		25

* References in the MAP SHEET NO. column are to maps at Appendix C of the Environmental Report, Volume 3 of 3.

C. MISCELLANEOUS RIGHTS

SERIAL NUMBER	TYPE OF SYSTEM OR FACILITY	MAP SHEET NO.*
F-84966	Power and communication line and other facilities	9/10 Also see plat(s) at Tab 1H of Volume 2 of 3
AA-31239	Communication site and access road	21 Also see plat(s) at Tab 1H of Volume 2 of 3

* Except as otherwise noted, references in the MAP SHEET NO. column are to maps at Appendix C of the Environmental Report, Volume 3 of 3.

ATTACHMENT 2


D. CONTAINMENT SITES

Rights to containment sites established under the June 14, 1991 Memorandum of Understanding between the Bureau of Land Management and Alyeska Pipeline Service Company, as agent for the TAPS Owners. Maps reflecting the location of the subject containment sites are a part of the Trans-Alaska Pipeline System Pipeline Oil Discharge Prevention and Contingency Plan, approved on November 30, 1998 and last revised on November 17, 2000, on file in the Bureau of Land Management's Alaska State Office.

ATTACHMENT 3

This MASTER APPLICATION is executed in multiple counterparts, with each counterpart being an original, and all counterparts together constituting the Master Application.

I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.



Amerada Hess Pipeline Corporation *AHS*

Date: APR 30 2001

BP Pipelines (Alaska) Inc.

Date: _____

ExxonMobil Pipeline Company

Date: _____

Phillips Transportation Alaska, Inc.

Date: _____

Unocal Pipeline Company

Date: _____

Williams Alaska Pipeline Company, L.L.C.

Date: _____

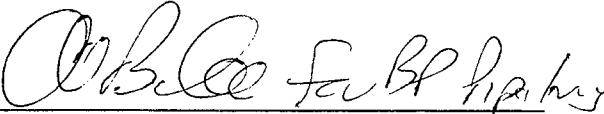
Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States, any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ATTACHMENT 3

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Amerada Hess Pipeline Corporation Date: _____



BP Pipelines (Alaska) Inc. Date: APR 30 2001

ExxonMobil Pipeline Company Date: _____

Phillips Transportation Alaska, Inc. Date: _____

Unocal Pipeline Company Date: _____

Williams Alaska Pipeline Company, L.L.C. Date: _____

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States, any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Amerada Hess Pipeline Corporation

Date: _____

BP Pipelines (Alaska) Inc.

Date: _____



ExxonMobil Pipeline Company

Date: APR 30 2001

Phillips Transportation Alaska, Inc.

Date: _____

Unocal Pipeline Company

Date: _____

Williams Alaska Pipeline Company, L.L.C.

Date: _____

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Amerada Hess Pipeline Corporation

Date: _____

BP Pipelines (Alaska) Inc.

Date: _____

ExxonMobil Pipeline Company

Date: _____

Margaret A. Yager
Phillips Transportation Alaska, Inc.

Date: APR 30 2001

Unocal Pipeline Company

Date: _____

Williams Alaska Pipeline Company, L.L.C.

Date: _____

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Amerada Hess Pipeline Corporation

Date: _____

BP Pipelines (Alaska) Inc.

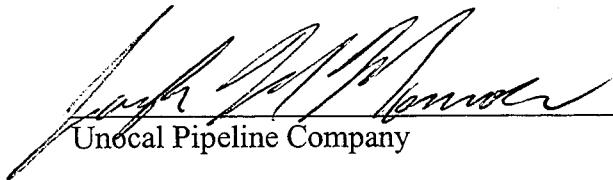
Date: _____

ExxonMobil Pipeline Company

Date: _____

Phillips Transportation Alaska, Inc.

Date: _____


Unocal Pipeline Company

APR 30 2001

Date: _____

Williams Alaska Pipeline Company, L.L.C.

Date: _____

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Amerada Hess Pipeline Corporation

Date: _____

BP Pipelines (Alaska) Inc.

Date: _____

ExxonMobil Pipeline Company

Date: _____

Phillips Transportation Alaska, Inc.

Date: _____

Unocal Pipeline Company

Date: _____

Michael Means

Williams Alaska Pipeline Company, L.L.C.

Date: APR 30 2001

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